

## CERTIFICATE OF MAILING

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1-28-02

Date of Deposit

Marc V. Richards, Reg. No. 37,921

Name of Applicant, Assignee or  
Registered Representative

Marc V. Richards

Signature

1-28-02

Date of Signature

Our Case No.: 6340/20

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Barry Freel et al.

Examiner: N/A

Serial No.: Applied for

Group Art Unit No.: N/A

Filing Date: January 28, 2002

For: Novel Natural Resin Formulations

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed below and on the attached Form PTO-1449 be considered by the Examiner and made of record.

The references now cited are the following:

### U.S. Patent Documents

Document No.	Date	Inventor
1,598,547	08/1926	Barbet
3,762,989	10/1973	Timpe
4,029,617	06/1977	Dhein et al.
4,139,500	02/1979	Rudolphy
4,209,647	06/1980	Gallivan et al.
4,233,465	11/1980	Gallivan et al.
4,673,460	06/1987	Raff
4,942,269	07/1990	Chum et al.
5,034,498	07/1991	Himmelblau
5,115,084	05/1992	Himmelblau
5,235,021	08/1993	Chum et al.
5,405,932	04/1995	Bender et al.
5,698,668	12/1997	Bender
5,708,078	01/1998	Bender et al.
5,792,340	08/1998	Freel et al.

### Foreign Patent Documents

DOCUMENT NUMBER	DATE	COUNTRY
2 228 418	07/1999	Canada

### Other Art

Dr. S. Scott, "Chemicals and Fuels from Biomass Flash Pyrolysis - Part of the Bioenergy Development Program (BDP)," February 1988 (pp. vii, ix, x, xi, 87-97);

T. Sellers, Jr., "Technical And Market Opportunities For Glued Wood Products," Adhesives Age, May 31, 1996 (pp. 6-9);

D. Andrew Himmelblau, "Production of Wood Composite Adhesives With Air-Blown, Fluidized-Bed Pyrolysis Oil," circa 1998.

H. Pakdel, et al. "Phenolic Compounds from Vacuum Pyrolysis of Biomass," Bio-oil Production & Utilization - Proceedings of the 2nd EU-Canada Workshop on Thermal Bioenergy, February 1996, (pp. 124-131);

Stephen S. Kelly, et al., "Use of Biomass Pyrolysis Oils for Preparation of Modified Phenol Formaldehyde Resins," Developments in Thermochemical Biomass Conversion, 1st ed., 1997, pp. 557-570.

H. Chum, et al. "Chapter 11 Biomass Pyrolysis Oil Feedstocks for Phenolic Adhesives," Adhesives From Renewable Resources, (1989), pp 135-151;

K. G. Forss et al., "Finnish Plywood, Particleboard, and Fiberboard Made With a Lignin-Base Adhesive," Forest Products Journal, pp. 39-43;

J.T. White, "Wood Adhesives and Binders," Forest Products Journal, Vol. 45, No. 3, March 1995 pp. 21-28;

International Search Report for related application PCT/CA99/00051, mailed June 17, 1999.

Written Opinion for related application PCT/CA99/00051, mailed December 2, 1999.

International Search Report for related application PCT/CA00/00868, mailed October 30, 2000.

Written Opinion for related application PCT/CA00/00868, mailed March 23, 2001.

### **REMARKS**

Applicants advise that this application is related to application 09/627,863, filed July 28, 2000, now abandoned, and to application 09/990,746, filed November 16, 2001, pending.

In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b).

Applicant(s) respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



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FORM PTO-1449	SERIAL NO. Applied for	CASE NO. 6340/20
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE January 28, 2002	GROUP ART UNIT N/A
(use several sheets if necessary)		APPLICANT(S): Barry Freel et al.

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	1,598,547	08/1926	Barbet		
	A2	3,762,989	10/1973	Timpe		
	A3	4,029,617	06/1977	Dhein et al.		
	A4	4,139,500	02/1979	Rudolphy		
	A5	4,209,647	06/1980	Gallivan et al.		
	A6	4,233,465	11/1980	Gallivan et al.		
	A7	4,673,460	06/1987	Raff		
	A8	4,942,269	07/1990	Chum et al.		
	A9	5,034,498	07/1991	Himmelblau		
	A10	5,115,084	05/1992	Himmelblau		
	A11	5,235,021	08/1993	Chum et al.		
	A12	5,405,932	04/1995	Bender et al.		
	A13	5,698,668	12/1997	Bender		
	A14	5,708,078	01/1998	Bender et al.		
	A15	5,792,340	08/1998	Freel et al.		

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO
	A16	2 228 418	07/1999	Canada		

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)					
	A17	Dr. S. Scott, "Chemicals and Fuels from Biomass Flash Pyrolysis - Part of the Bioenergy Development Program (BDP)," February 1988 (pp. vii, ix, x, xi, 87-97);				
	A18	T. Sellers, Jr., "Technical And Market Opportunities For Glued Wood Products," Adhesives Age, May 31, 1996 (pp. 6-9);				
	A19	D. Andrew Himmelblau, "Production of Wood Composite Adhesives With Air-Blown, Fluidized-Bed Pyrolysis Oil," circa 1998.				
	A20	H. Pakdel, et al. "Phenolic Compounds from Vacuum Pyrolysis of Biomass," <u>Bio-oil Production &amp; Utilization - Proceedings of the 2nd EU-Canada Workshop on Thermal Bioenergy</u> , February 1996, (pp. 124-131);				
	A21	Stephen S. Kelly, et al., "Use of Biomass Pyrolysis Oils for Preparation of Modified Phenol Formaldehyde Resins," <u>Developments in Thermochemical Biomass Conversion</u> , 1st ed., 1997, pp. 557-570.				

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
	A22	H. Chum, et al. "Chapter 11 Biomass Pyrolysis Oil Feedstocks for Phenolic Adhesives," <i>Adhesives From Renewable Resources</i> , (1989), pp 135-151;
	A23	K. G. Forss et al., "Finnish Plywood, Particleboard, and Fiberboard Made With a Lignin-Base Adhesive," <i>Forest Products Journal</i> , pp. 39-43;
	A24	J.T. White, "Wood Adhesives and Binders," <i>Forest Products Journal</i> , Vol. 45, No. 3, March 1995 pp. 21-28;
	A25	International Search Report for related application PCT/CA99/00051, mailed June 17, 1999.
	A26	Written Opinion for related application PCT/CA99/00051, mailed December 2, 1999.
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